

Results for the 10'x160' circular tank with ramp:

Circular tank:

Tank Diameter = 160 ft

Tank Wall thickness = 10 in (actual)

Tank Height = 10 ft

$f_y = 60,000$ psi

$f'_c = 4,000$ psi

Horizontal Steel = #5 rebar		
Bar #	Spacing (in)	Distance from finished floor (ft - in)
1	3	0' 3"
2	12	1' 3"
3	12	2' 3"
4	12	3' 3"
5	10	4' 1"
6	10	4' 11"
7	10	5' 9"
8	8	6' 5"
9	8	7' 1"
10	8	7' 9"
11	8	8' 5"
12	8	9' 1"
13	8	9' 9"

Vertical Steel = #4 @ 10" O.C.

Dowels "L" bars from tank to footing shall be #4 @ 10" O.C. 26" vertical leg, 8" horizontal leg

For a length of 60 feet, centered on the ramp:


Substitute #5 @ 10" O.C. vertical steel for the #4 @ 10" O.C. vertical steel.

In the tank wall, at the corner of the notch for the ramp add:

3-#6 bars x 9'-10" long @ 6" O.C. vertically.

3-#6 bars x 20' long @ 6" O.C. horizontally.

4-#6 bars x 6' long @ 6" O.C. at a 45 degree angle.

 Natural Resources Conservation Services United States Department of Agriculture	<div>_____ County, PA</div> ROUND TANK W/RAMP DETAIL Page 6.16	Designed <u>PA NRCS</u> <u>12/01</u>
		Drawn <u>Hartz</u> <u>2/1/08</u>
		Revisions <u>Pereverzoff</u> <u>1/9/08</u>
		Checked _____
		Approved _____